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| <b>Search Notes</b><br><br> | <b>Application/Control No.</b><br><br>10809432 | <b>Applicant(s)/Patent Under Reexamination</b><br><br>OKANO ET AL. |
|  | <b>Examiner</b><br><br>Kim, David S            | <b>Art Unit</b><br><br>2613  |

### SEARCHED

| Class | Subclass | Date       | Examiner |
|-------|----------|------------|----------|
| 398   | 127      | 12/15/2007 | DSK      |

### SEARCH NOTES

| Search Notes  | Date       | Examiner                  |
|---|------------|---------------------------|
| EAST search - see search history printout   | 12/9/2006  | DSK                       |
| www.google.com - various combinations of the following terms:<br>illumination indicate optical communication visible light museum beacon<br>region mobile reception   | 12/9/2006  | DSK                       |
| ieeexplore.ieee.org - various combinations of the following terms: museum<br>communicat* visible light* beacon illuminat*   | 12/9/2006  | DSK                       |
| scholar.google.com - various combinations of the following terms: visible<br>light indicate cellular reception diode illumination illumine optical<br>communication led beacon region mobile reception museum   | 12/9/2006  | DSK                       |
| EAST search - see search history printout   | 5/28/2007  | DSK                       |
| scholar.google.com - various combinations of the following terms: end-<br>plane vertical-plane quantum-cascade intermittent emit wavelengths<br>channel free space intermittently multichannel beams space LED diode<br>FSO multiple channels two VCSEL Fabry-Perot QCL | 5/28/2007  | DSK                       |
| EAST search - see search history printout   | 12/14/2007 | DSK, 12/15,<br>12/17/2007 |
| www.google.com - search terms: free-space "free space" freespace FSO<br>wavelength channels   | 12/14/2007 | DSK                       |
| scholar.google.com - various combinations of the following terms: free<br>space "free space" free-space freespace FSO multiple channels LED<br>wavelength LEDs  | 12/14/2007 | DSK                       |
| text search in class/subclass 398/118-131   | 12/15/2007 | DSK                       |

### INTERFERENCE SEARCH

| Class | Subclass | Date | Examiner |
|-------|----------|------|----------|
|       |          |      |          |